

*It's a Wireless Microphone, Receiver and Walkie Talkie*





Social Talkie

E1

User Guide

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# 1 Read before using the product

## 1.1 Notice

### 1.1.1 Liability for illegal acts

Anyone who uses this product for illegal purposes shall be liable and he or she shall be held responsible for all and any consequences.

### 1.1.2 FCC licensing information

- Federal Communications Commission statement

NOTE : Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the

grantee or manufacturer could void the user's authority to operate such equipment.

NOTE : Exposure to Radio Frequency Radiation. Antenna shall be mounted in such a manner to minimize the potential for human contact during normal operation.

The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit.

NOTE : This device complies with part 15 of the FCC Rules.

NOTE : Operation is subject to the following two Conditions :

- ① This device may not cause harmful interference, and
- ② This device must accept any interference received, including interference that may cause undesired operation.

NOTE : This appliance and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

### **1.1.3 Important notice**

- This User Guide can be revised without prior notice.
- Manufacturer or seller are not be liable for damage caused by accidents, natural disasters or defects caused by consumer failure while in use.
- Manufacturer or seller are not be liable for any problems that might be caused by a third party as he or she uses the product.
- Manufacturer or seller are not be liable for any problems caused by consumer carelessness as he or she uses the product.
- Images in the User Guide might differ from the actual product.

Specifications can be changed to improve performance without prior notice.



## 1.2 Important safeguards

### 1.2.1 Beware of safety accidents

- Check the law about radio usage before driving and using the product.
- Do not use the charger if the product has been hit or dropped.  
It may cause any possible damage or electric shock.
- Keep the product away from children.  
It can harm their safety or they may damage the product.
- Do not expose the product to excessive dirt or humidity.  
It may cause damage or electric shock.
- Do not spray insecticide or flammable liquids on the product.  
It can cause a malfunction or fire.
- Do not put the product near flammables or have it touched by them.  
They can melt the product and cause an electric shock or fire.
- Do not put the product near airbags.  
It can hurt someone when it is deployed.
- Do not charge the product in explosive areas.  
Such environments can trigger a short-circuit, which may cause burns or death in some cases.
- After lowering the volume to the minimum, wear the earset, then adjust the volume.  
High volume can cause hearing loss or heart attack. Higher volume can place more burden on your ears and thus damage your hearing.
- Do not attach unauthorized accessories to the product and then use it.  
They can damage the product or cause an accident.
- Do not use any other chargers other than the officially authorized one.  
Otherwise, they can damage the product or cause an accident.

### 1.2.2 Be careful of product damage or malfunction

- Do not knock or drop the product.  
Any rough handling can damage the product.
- Do not put anything heavy on the product.  
This may cause damage.


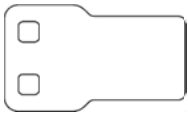
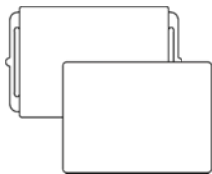
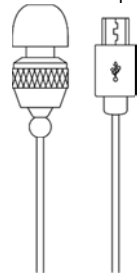
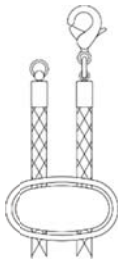
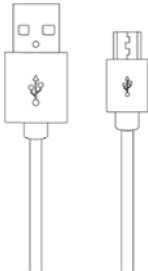
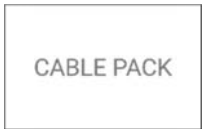

- Do not use anything too sharp, like a pencil or a needle when you push a button. It can damage the product.
- Clean the product on a regular basis to prevent it from being clogged with dirt. If the product is not cleaned it can damage the performance or cause malfunctions.
- Do not expose the product to water, alcohol or benzene. They can cause damage or electric shock.
- Do not expose the product to direct sunlight, high humidity or extreme hot or cold temperatures (including inside a car in summer). Such environments can damage the product.

Operation Temperature : -20 °C (-4°F) ~ 60°C(140°F)

### **1.2.3 Please note the use**

- When you are on an airplane, follow the safety rules and directions of the flight attendants.
- Do not try to dismantle or fix the product on your own.  
For any problem to be fixed, bring the product to a shop or customer service center.
- Do not tune to any other frequencies other than the allocated ones.  
It can be punishable by law.
- Do not hold or cover the antenna with hands.  
It may cause performance deterioration.
- Do not use the product for any purpose other than for communication.  
Otherwise, it can be punishable by law.
- Do not use the product with any medical equipment or other products nearby.  
It can cause unwanted effects or unpleasant noises if you use a hearing aid.
- Do not use the product near electronics.  
Electronic waves from the radio can have adverse effects on other products or cause them to malfunction.
- Communication quality may get worse when you communicate either on the move at a rapid pace or while charging the product.
- The battery is consumable, so it is possible for it to diminish over time.  
If it is kept in too low or too high temperatures, its life span can be shortened dramatically.

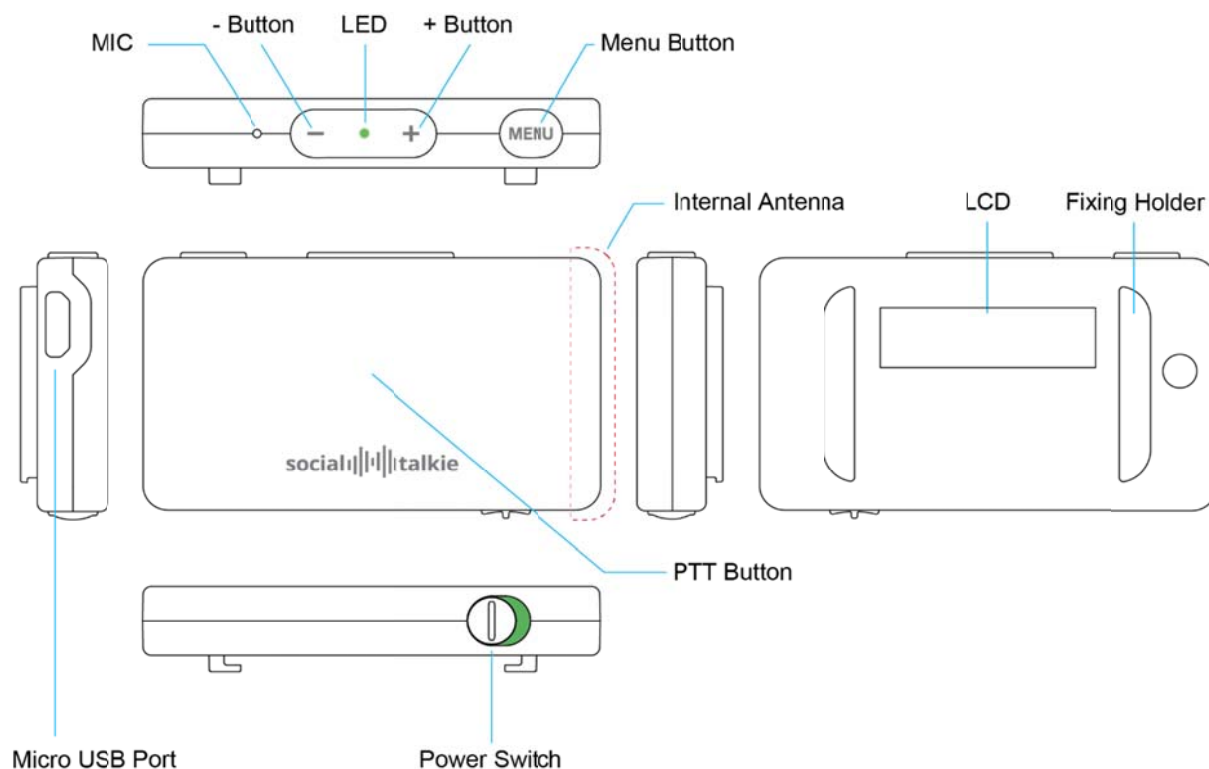
## 1.3 Component

<b>Product</b> 	<b>Clip</b> 	<b>Magnetic board for the product</b> <b>Magnetic board for fixing</b> 	<b>Earset</b> <b>(Including Airtube, extra ear caps)</b> 
<b>Necklace</b> <b>(Length adjustable)</b> 	<b>Charging cable</b> 	<b>Cable pack</b> 	<b>Quick start guide</b> 

Cable pack is divided depending on the product composition and cable pack components are as follows.

- ① Tx Pack: Lavalier Mic, Microphone Connection Cable
- ② Rx Pack: Camera Connection Cable
- ③ Full Pack: Lavalier Mic, Microphone Connection Cable, Camera Connection Cable

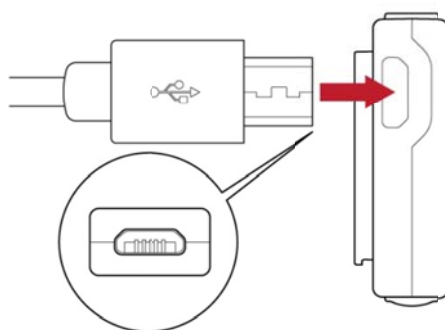
## 1.4 Name of Each Part



## 2 Prepare before Using

### 2.1 Charge

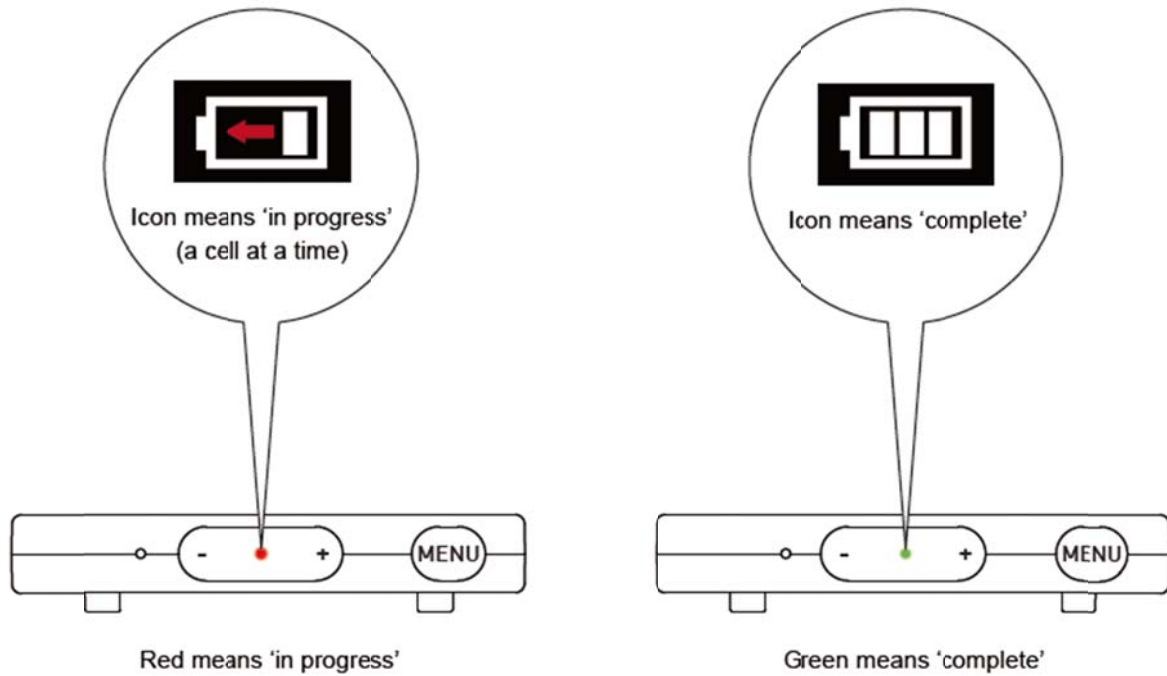
- Charge the product before use.
- Connect the charger to the micro USB port.



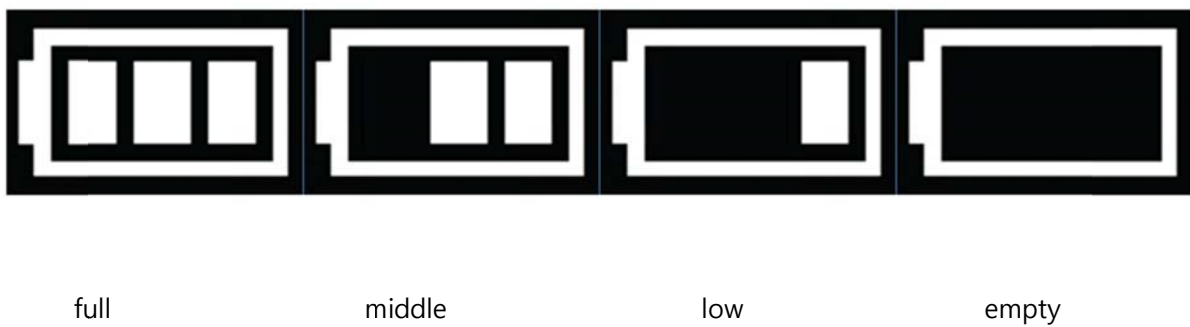
- The product begins to charge and you can check it by looking at the LED or LCD.


Type	LED	LCD
When charging is in progress	Red	Each one of three white cells

		pops up over time
When charging is complete	Green	Full with three white cells




## 2.2 Checking the battery life





If remaining battery power is very low, the warning icon flashes with a beep and transmit & receive is not available.

Charge the product immediately if the warning icon starts to flash with a beep.



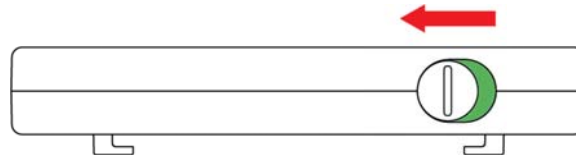
**Please Charge**



The battery is consumable, so it is possible for it to diminish over time. If it is kept in too low or too high temperatures, its life span can be shortened dramatically.

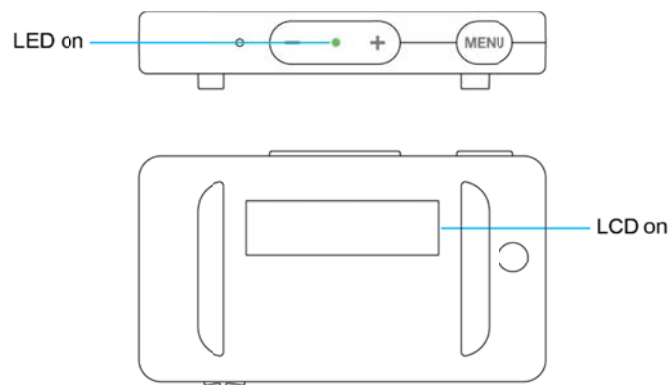
## 2.3 Turn on/off

### 2.3.1 Turn on

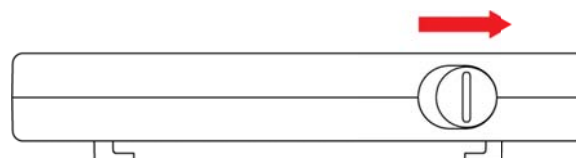


The power switch is on

- ① As shown in the figure above, you can push the switch to turn the power on as the arrow indicates.
- ② Once the power is on, the LED and LCD will turn on.



### 2.3.2 Turn off





The power switch is off

- ① As shown in the figure above, you can push the switch to turn the power off as the arrow indicates.

## 2.4 Button lock

The button lock feature disables all of the buttons, except for the power switch, in order to prevent any malfunctioning of the product and any other inconveniences that may be caused by unintentionally pressing the buttons.

### 2.4.1 Enable button lock



Push the  '-' and  '+' buttons simultaneously for more than 2 seconds.

The following icon appears on the screen, a beep is generated, and the button lock is enabled.



If you push a button when the button lock is enabled, a beep is generated, the button lock icon appears on the screen, and the button will not operate.

### 2.4.2 Disable button lock

While the button lock feature is enabled, push the  '-' and  '+' button simultaneously for more than 2 seconds.

The following icon appears on the screen, a beep is generated, and the button lock is disabled.



When the button lock feature is disabled, you can use all of the buttons.

## 2.5 Wearing and mounting

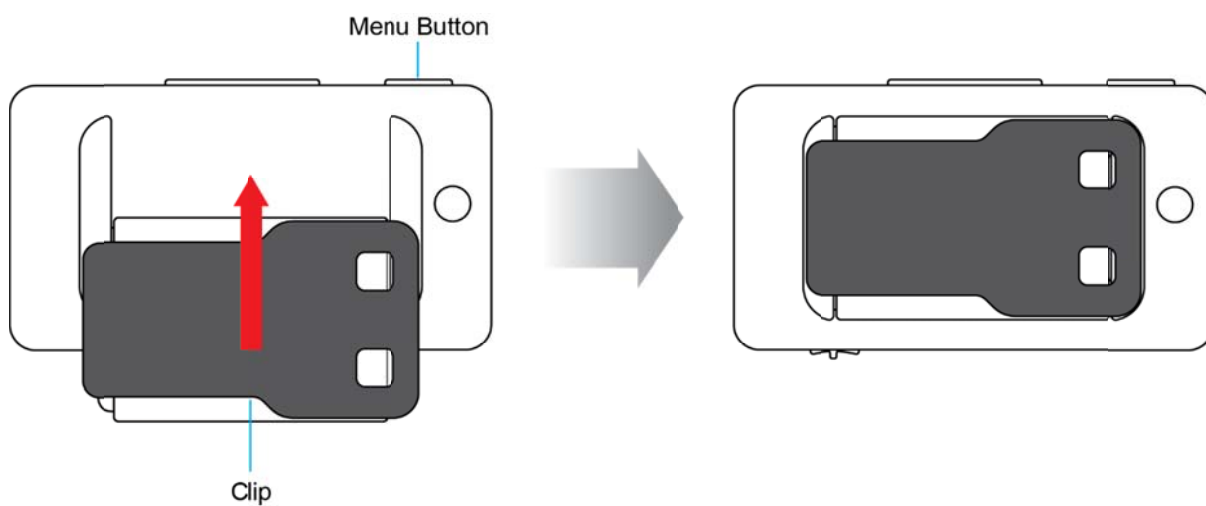
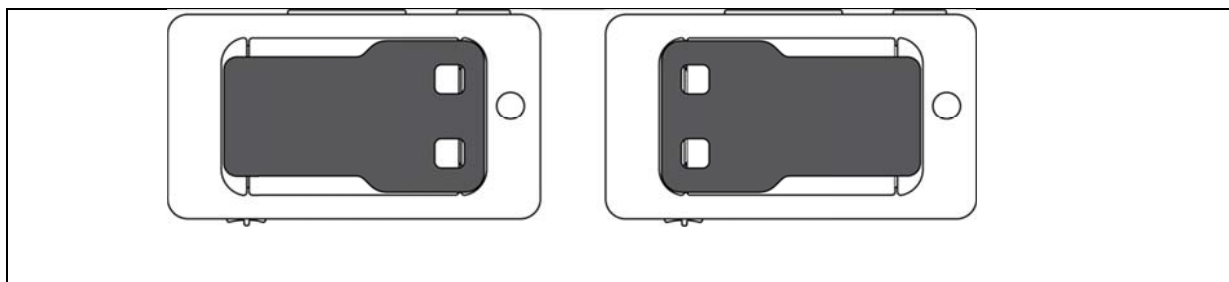
### 2.5.1 Clip

- How to put the clip onto the product

Fit the clip into the fixing holder on the product and then push the clip upwards until you hear a 'click' as the arrow indicates.

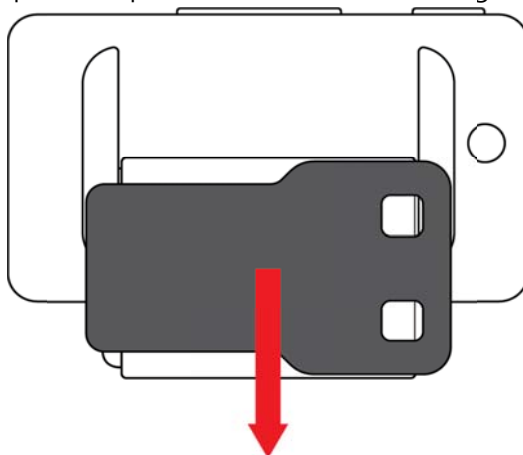


A user can connect the clip in any direction.



- How to detach it

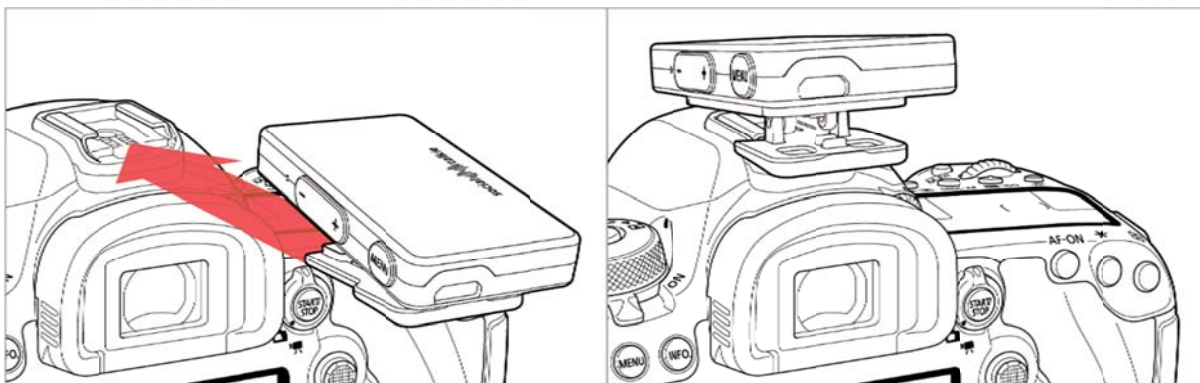
Detach it by pushing the clip for the product down from the fixing holder as the arrow indicates.



## 2.5.2 Mounting on Camera

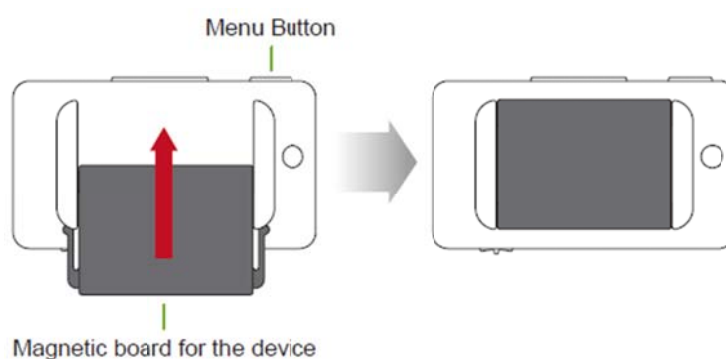
- The product's clip can be mounted on the camera's hot shoe as the following image.



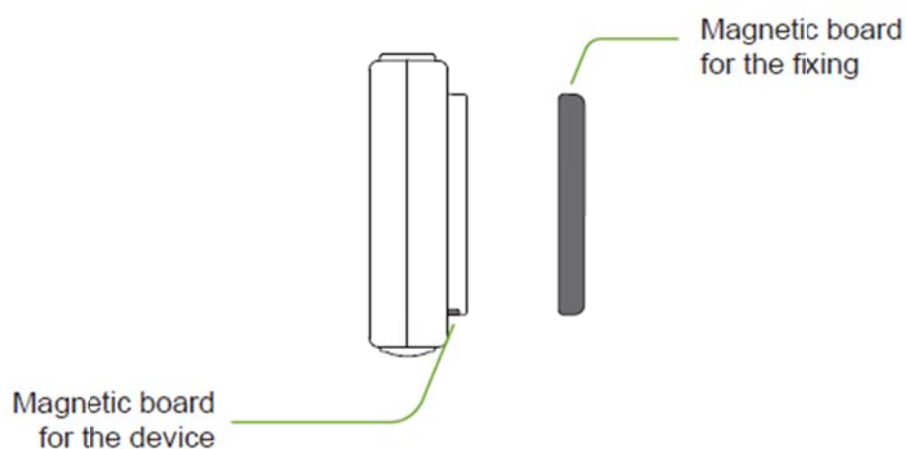


### 2.5.3 Magnetic board

- How to put the board onto the product
- ① Fit the magnetic board into the fixing holder on the product and then push the board upwards until it makes a 'click'. Or, slide the magnetic board upwards in the direction indicated with the arrow in the figure.



- ② The product can be fixated to your clothes by locating those two magnetic boards for the product and fixing your clothes between them.





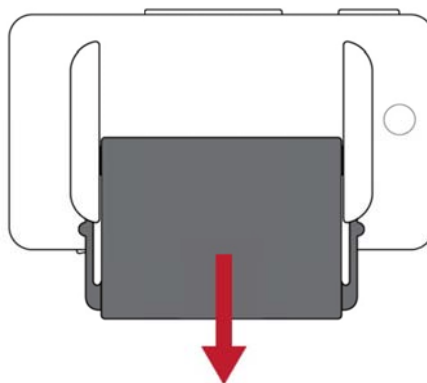
If your clothes are too thick, the process will not work as described above. When you use the magnetic boards to attach the product to your clothes, make sure that you do not drop it or lose the magnetic board.



The magnetic board has polarities: north and south pole. The same polarities work to push away each other. Note that when you follow the process above.

- How to detach it

Detach it by pushing the magnetic board for the product down from the fixing holder as the arrow indicates.



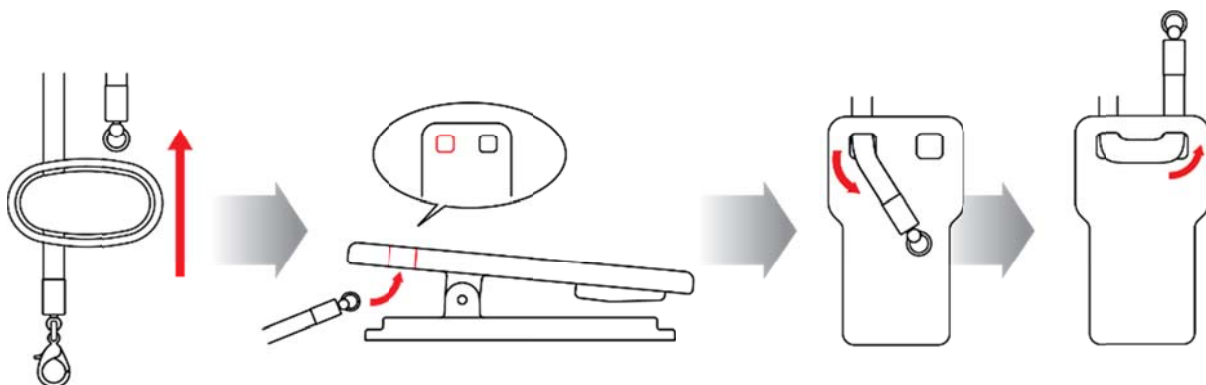
## 2.5.4 Necklace

- How to hook it onto the product

Hook the necklace up into the necklace hole on the clip.

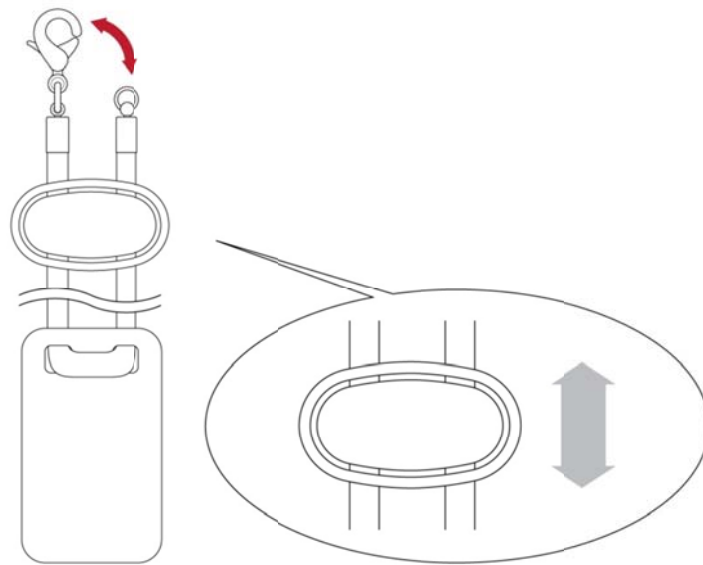
Figure (The necklace is hooked up and down via the two holes on the clip)

Then put the clip onto the product.



- How to adjust the length

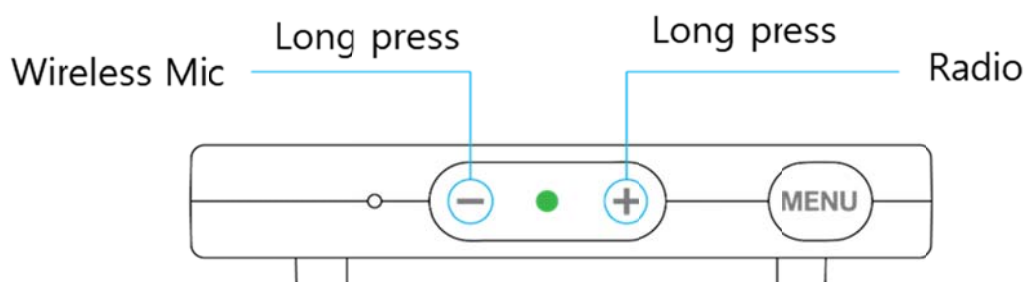
The length is adjustable as shown in the figure below.



## 2.6 Conversion of Wireless Microphone and Walkie-Talkie Function

This product can be either used for wireless microphone or walkie-talkie function.

You can switch between the wireless microphone function and the radio function in the following ways.



### 2.6.1 Press and hold (more than 2 seconds) '-' button

After converting walkie talkie to wireless microphone, the screen for wireless microphone appears.



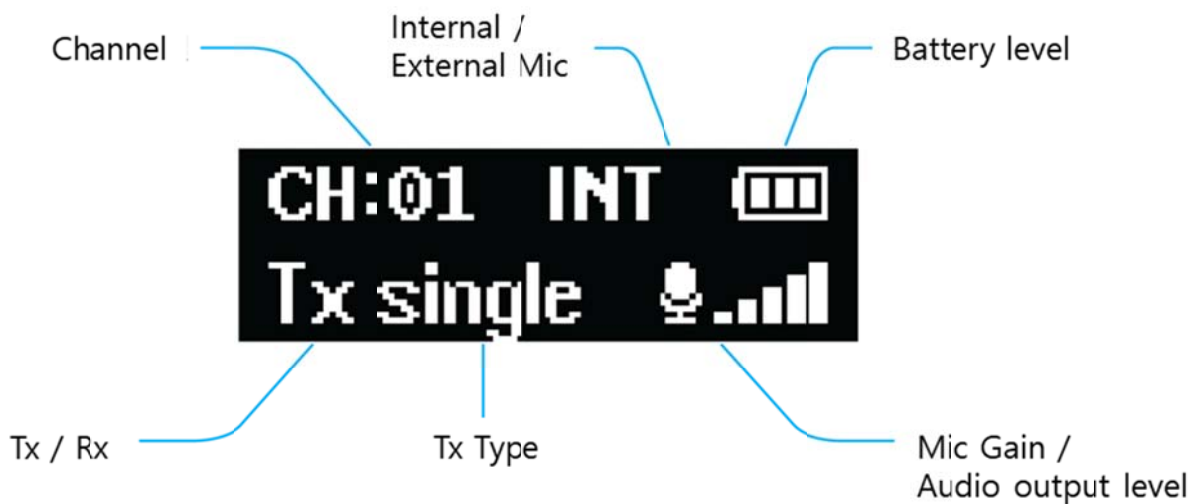
### 2.6.2 Press and hold (more than 2 seconds) '+' button

After converting wireless microphone function to walkie talkie, the screen for walkie talkie appears.



## 3 Using as Wireless Microphone

### 3.1 LCD (Default set)



### 3.1.1 Channel

Displays the channel number currently in use.

### 3.1.2 Internal / External Mic

Automatically indicates whether the device uses the internal microphone or external microphone when used as a transmitter.

- ① INT: Uses internal built-in microphone
- ② EXT: Uses external microphone (Lavalier, etc.)

### 3.1.3 Battery level:

Displays the battery level in 4 steps.

### 3.1.4 Tx / Rx

A user may select whether to use the product as transmitter or receiver and it indicates the currently used mode.

- ① Tx: Transmitter
- ② Rx: Receiver

### 3.1.5 Tx Type

Up to two transmitters can be used at the same time and it indicates the number of currently set transmitter.

- ① Single: Uses 1 transmitter
- ② Dual: Uses two transmitters

### 3.1.6 Mic Gain / Audio output level

- ① Transmitter: Indicates Mic Gain in 5 levels.
- ② Receiver: Indicates audio output level in 5 levels.

## 3.2 LED Indication



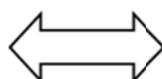
LED is indicated as the following table depending on the operation state.

Operation	LED Indication
Charging	Red light turns on
Fully Charged	Green light turns on
Transmitting	Red light flickers slowly
Receiving	Green light flickers slowly
Low Battery	Red light flickers quickly
Weak Signal or Signal Interference	Red light flickers twice repeatedly
Conversion of Wireless Microphone and Walkie-Talkie	Red and green light flickers alternately

## 3.3 Mic Gain or Audio Output Level Indication



Minimum Level



Maximum Level



### 3.3.1 What's Mic Gain / Audio Output Level?

The device operates as follows depending on using the device as transmitter or receiver.

- ① Transmitter: Operates with Mic Gain and the input sound volume is adjustable by adjusting the microphone sensitivity.

- ② Receiver: Operated with Audio Output Level and output sound volume is adjustable.

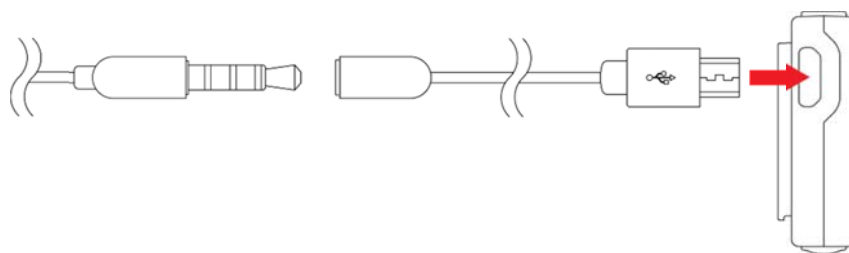
### 3.3.2 Up / Down

- ① Each time  '+' button is pressed, Mic Gain or Audio Output increases by 1 level.
- ② Each time  '-' button is pressed, Mic Gain or Audio Output decreases by 1 level.

## 3.4 Connecting Cable




### 3.4.1 Transmitter

Transmitter can be connected to external microphone such as Lavalier Mic by connecting the enclosed microphone connection cable.



The device uses internal microphone when the device is not connected with microphone connection cable. The device automatically converts to external microphone when microphone connection cable is connected.

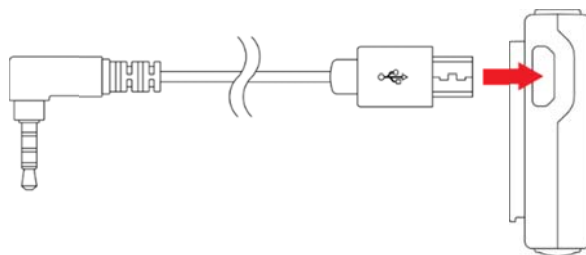


Press,  (-) button,  (+) button, and  (Menu) buttons at the same time for a forced conversion to internal microphone.

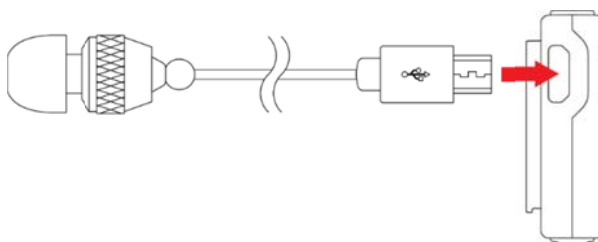
In other words, internal microphone can be used even when external microphone is connected.

### 3.4.2 Receiver

- ① Use the enclosed camera connection cable to connect receiver with camera's microphone input.

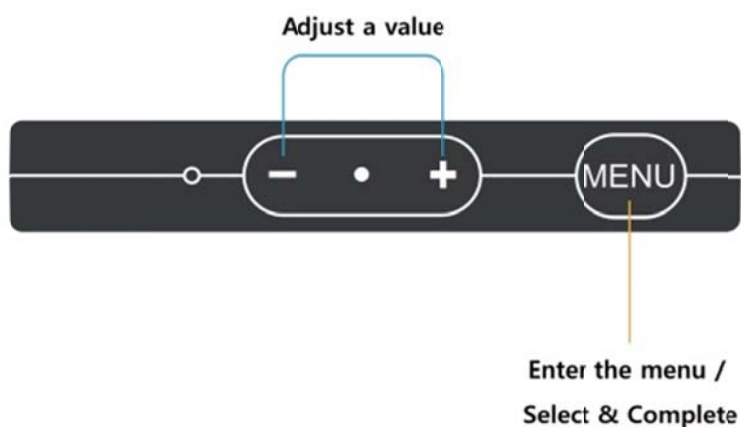


- ② Connect the enclosed earset to check the transmitted voice.



## 3.5 Checklist for setting up the menu



Follow the directions below to set up the menu.




### 3.5.1 Enter the menu

Enter the menu by pushing the  'Menu' button for more than 2 seconds.

### 3.5.2 Move to a menu item



In the menu, move from one item to another by pushing the  '-' or  '+' buttons.

### 3.5.3 Select an item


An item in the menu can be selected by pushing the  'Menu' button.



### 3.5.4 Adjust value


When a selected value flashes, adjust it by pushing the  '-' or  '+' buttons.

### 3.5.5 Move to a position


Move from one position to another by pushing the  'Menu' buttons.

The previously set value has been set and then the next value starts to flash.


### 3.5.6 Complete setting

If you press the  'Menu' button while the set value blinks, the blinking stops and the setting is complete.



After setting the last value, push the  'Menu' button again to move to the upper level.


### 3.5.7 Leave the menu

Push the  'Menu' button for more than 2 seconds to leave the menu.

You will automatically leave it if you don't push any button for more than 10 seconds.



Even if you leave the menu, the values remain set.

For example, even if you set five digits out of sixteen totals by pushing the  'Menu' button and then leave the menu, those five numbers will stay the same as you set them.

### 3.5.8 Menu items

Wireless microphone is composed of following menu items.

Item
Tx/Rx
Tx TYPE
AUTO CH.
CHANNEL
ID
RF POWER
DEFAULT SET
VERSION

The following information describes each item's purpose and how to set it up.

## 3.6 Menu setup in detail

### 3.6.1 ID



- What is a 'ID'?

The product to be used as a wireless microphone should have a same ID. Thus, the product needs to have the same ID for transmission and receiving. ID is in four-digit numbers.



('0000' is set as the default.)


- 'ID' setup



Enter the menu by pushing the  'Menu' button for more than 2 seconds.


Move to 'ID' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.






If the first number flashes, adjust it by using the  '-' or  '+' buttons.

Move to the next number by pushing the  'Menu' button.

If the number flashes, adjust it by using the  '-' or  '+' buttons.

Once the last number has been changed, push the  'Menu' button and the number will stop flashing.

Move to another menu by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 3.6.2 Tx/Rx

- What is a 'Tx/Rx'?

The product can be either used as transmitter or receiver depending on the setting.

Set 'Tx' to operate as a transmitter and set 'Rx' to operate as a receiver.






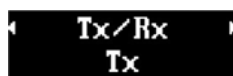
There is no restriction on number of receiver (Rx).



When recording, voice sent from one or two receivers (Tx) can be received at multiple receivers at the same time.

- Tx/Rx setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'Tx/Rx' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'PTT/VOX' has been changed, complete it by pushing the  'Menu' button.



Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 3.6.3 Tx TYPE

- What is a 'Tx Type'?

Receiver can receive voice sent from up to two transmitters.

Set 'Single' in both transmitter and receiver to use one transmitter and set 'Dual' to use as two transmitters.






In Tx Type, 'Single' enables sending the voice in high sound quality.



Compared to 'Single' 'Dual' may have relatively lower sound quality.

- 'Tx TYPE' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'Tx TYPE' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'Tx TYPE' has been changed, complete it by pushing the  'Menu' button.



Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 3.6.4 AUTO CH.

- What is a 'AUTO CH.'?




In AUTO CH., channels are automatically scanned and the optimum channel is automatically selected. The selected channel can be checked on the screen.





Before setting AUTO CH., set ID first.  
Product with same ID is set to same channel.

- 'AUTO CH.' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'AUTO CH.' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'AUTO CH.' has been changed, complete it by pushing the  'Menu' button.



Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 3.6.5 CHANNEL

- What is a 'CHANNEL'?






When Auto CH. is 'On', channels are automatically scanned and 'CHANNEL' don't appear. 'CHANNEL' appears only when Auto CH. is 'Off'. When Auto CH. is 'Off', the channel can be set manually.



Set the same channel for transmitter and receiver. Just change the 'CHANNEL' if there is too much noise or you get the line crossed with another devices.


('01' is set as the default.)



- 'CHANNEL' setup


Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'CHANNEL' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.

If the first number flashes, adjust it by using the  '-' or  '+' buttons.

Move to the next number by pushing the  'Menu' button.

If the number flashes, adjust it by using the  '-' or  '+' buttons.

Once the last number has been changed, push the  'Menu' button and the number will stop flashing.

Move to another menu by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 3.6.6 RF POWER

- What is a 'RF POWER'?

The RF POWER allows you to adjust the strength of the transmission signal. The RF POWER can be set to High and Low. The range and available talk time vary depending on the RF POWER setting, as shown below.

RF POWER	Range	Talk time
----------	-------	-----------




high	→	long	short
low	→	short	long

Adjust the setting according to your usage environment and needs.



(‘High’ is set as the default.)

- ‘RF POWER’ setup

Enter the menu by pushing the  ‘Menu’ button for more than 2 seconds.




Move to ‘RF POWER’ by using the  ‘-’ or  ‘+’ buttons and then select by pushing the  ‘Menu’ button.



If the value flashes, adjust it by using the  ‘-’ or  ‘+’ buttons.

Once ‘RF POWER’ has been changed, complete it by pushing the  ‘Menu’ button.

Move to another menu item by using the  ‘-’ or  ‘+’ buttons or go back to the main screen by pushing the  ‘Menu’ button for more than 2 seconds.




### 3.6.7 DEFAULT SET

- What is a 'DEFAULT SET'?



All of the values that have been tuned or changed to meet the needs of the user will be returned to their default settings.

- 'DEFAULT SET' setup


Enter the menu by pushing the  'Menu' button for more than 2 seconds.

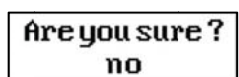
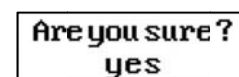
Move to 'DEFAULT SET' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.




If the value flashes, adjust it by using the  '-' or  '+' buttons.

First, select 'Yes' to set all of the values back to default and then push the  'Menu' button. A new screen will pop up to confirm it.

Again, select 'Yes' and then push the  'Menu' button. The power will turn off and on again, initializing all of the values to their default settings.



Be careful with this feature. All of the values will return to their default settings.

### 3.6.8 VERSION

- What is a 'VERSION'?

It is used to check the version of your product.




Checking the 'VERSION'

Enter the menu by pushing the  'Menu' button for more than 2 seconds.

Move to 'VERSION' by using the  '-' or  '+' buttons.

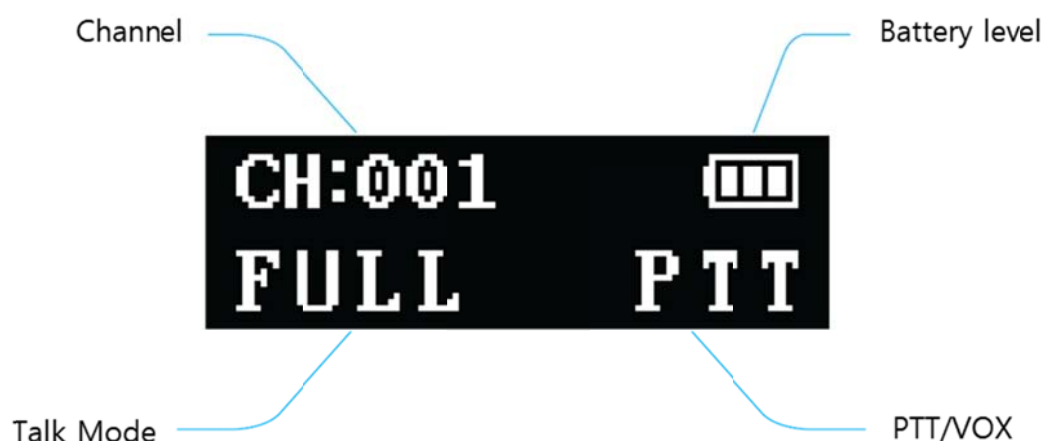




Once you check the 'VERSION', move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

## 4 Using as Walkie Talkie

### 4.1 LCD (Default set)



#### 4.1.1 Channel

Displays the channel number currently in use.

#### 4.1.2 Battery level

Displays the battery level in 4 steps.

#### 4.1.3 Talk Mode

Displays "HALF" for half-duplex and "FULL" for full-duplex.

#### 4.1.4 PTT/VOX

Displays "PTT" for Push To Talk mode or "VOX" for Voice Actuation mode according to the

selected voice transmission method.

- ① At PTT mode, your voice will be sent only while pushing a PTT button.
- ② At VOX mode, your voice will be automatically recognized and sent.

## 4.2 LED Indication



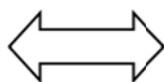
LED is indicated as the following table depending on the operation state.

Operation	LED Indication
Charging	Red light turns on
Fully Charged	Green light turns on
Transmitting	Red light flickers slowly
Receiving	Green light flickers slowly
Conversion of Wireless Microphone and Walkie Talkie	Red and green light flickers alternately

## 4.3 Volume up/down (10 levels)





The lowest volume



The highest volume

### 4.3.1 Up / Down

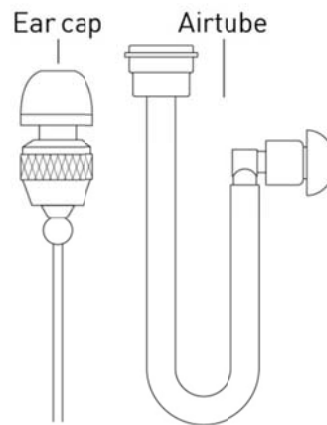
- ① The volume goes up by one notch as you push the  '+' button one time.
- ② The volume goes down by one notch as you push the  '-' button one time.

## 4.4 Earset connection

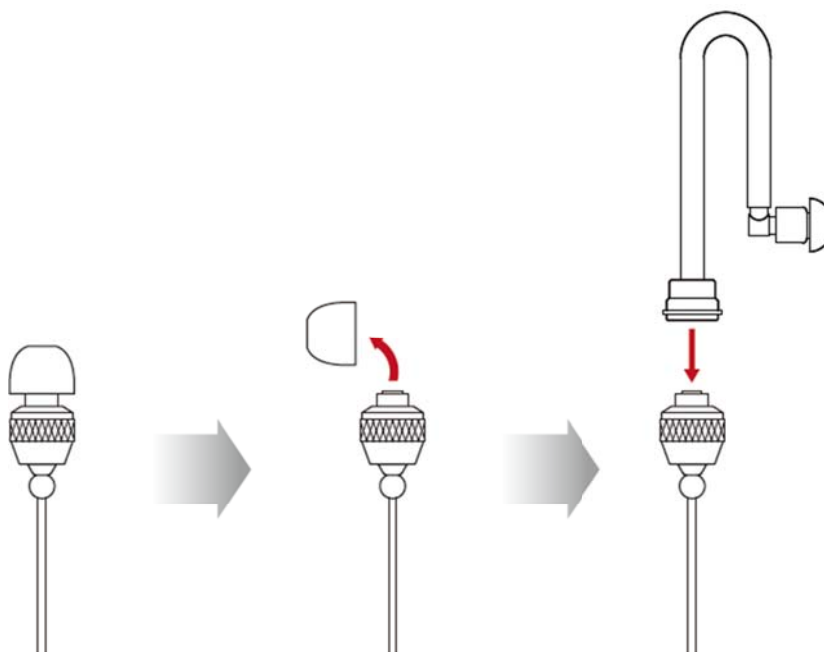


There is no speaker in the product. Communication is available only when you connect the earset.

#### 4.4.1 Selecting an ear cap

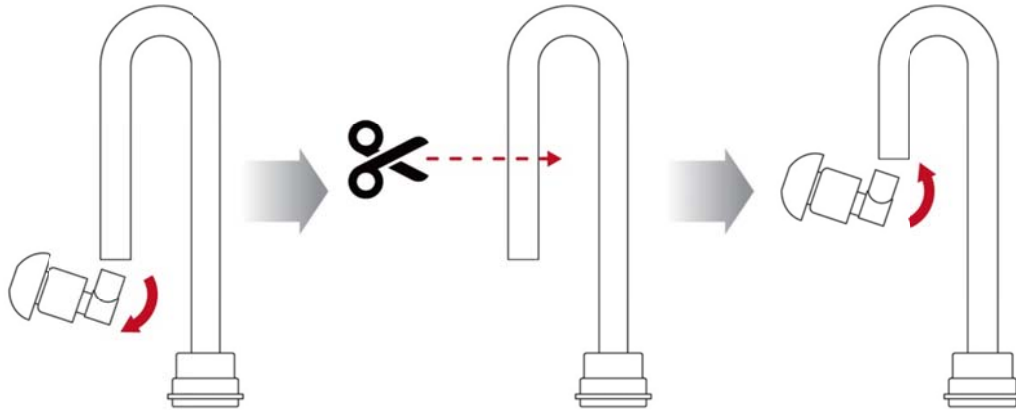


The earset is a component of the product and the ear cap is put on the earset. As shown in the figure below, the airtube can be used if necessary.



#### 4.4.2 Airtube length adjustment

Airtube length is adjustable as shown in the figure below.

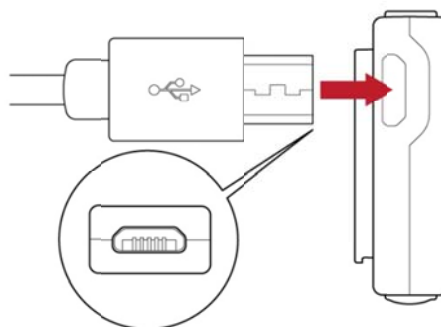


Detach the ear buds by pulling from the tube as the arrow indicates.

After, check the appropriate position for the user, then cut the tube with scissors until desired length is achieved.

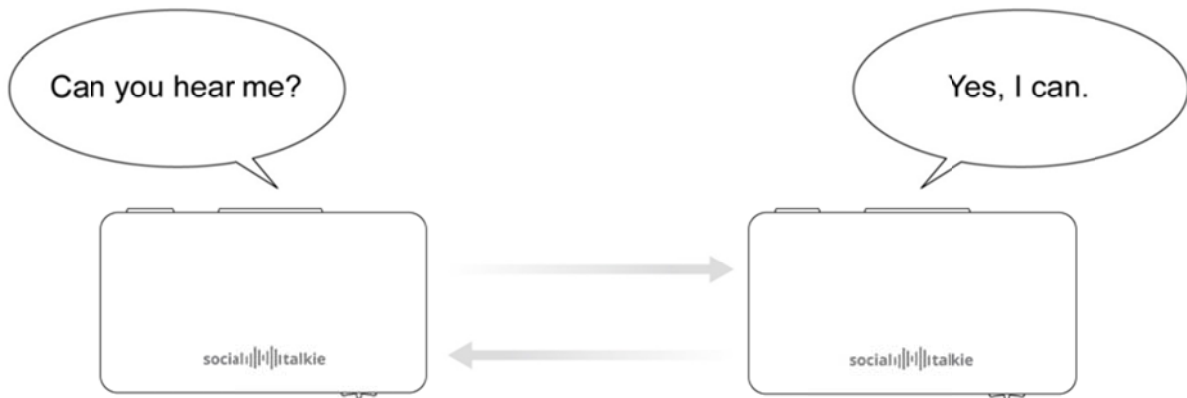
Insert the ear buds back into the part of the tube as the arrow indicates.

#### 4.4.3 Connecting to the product



Connect the earset to the micro USB port in the product.

## 4.5 Communication



- Transmit & receive
  - ① 'Transmit' means to send your voice through the product by pushing a button as configured or by recognizing your voice.
  - ② 'Receive' means to have the product receive someone's voice that was sent from another product.
- To communicate (default setup)
  - ① Talk to the product while pushing the PTT button to send your voice to a person on the other product. Stop pushing the button when you stop talking.
  - ② The earset enables you to hear what the other person says if there is a response.

As above, the product can make it possible to transmit and receive voice communication or to do those two at the same time.






For more details about how to communicate, refer to 'Menu setups in detail'.

## 4.6 Use vibration call

The product of the other party will make a beep tone and vibration at the same time whenever you push the C button for more than 2 seconds.

### 4.6.1 Sending call signal

Sending call signal by pushing the  'Menu' button and the volume button (  '-' or  '+' button) simultaneously for more than 2 seconds.

After call sound and vibration ring, call signal is sent.



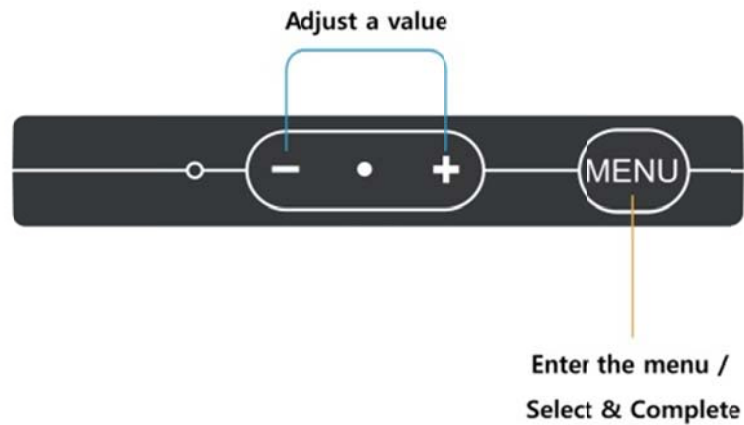
### 4.6.2 Receiving call signal

An alarm and vibration ring occurs on the product receiving the call signal.



## 4.7 Checklist for setting up the menu



Follow the directions below to set up the menu.




### 4.7.1 Enter the menu

Enter the menu by pushing the  'Menu' button for more than 2 seconds.


### 4.7.2 Move to a menu item

In the menu, move from one item to another by pushing the  '-' or  '+' buttons.


### 4.7.3 Select an item

An item in the menu can be selected by pushing the  'Menu' button.

### 4.7.4 Adjust value


When a selected value flashes, adjust it by pushing the  '-' or  '+' buttons.

### 4.7.5 Move to a position

Move from one position to another by pushing the  'Menu' buttons.

The previously set value has been set and then the next value starts to flash.


#### 4.7.6 Complete setting

If you press the  'Menu' button while the set value blinks, the blinking stops and the setting is complete.




After setting the last value, push the  'Menu' button again to move to the upper level.

#### 4.7.7 Leave the menu

Push the  'Menu' button for more than 2 seconds to leave the menu.  
You will automatically leave it if you don't push any button for more than 10 seconds.



Even if you leave the menu, the values remain set.  
For example, even if you set five digits out of sixteen totals by pushing the  'Menu' button and then leave the menu, those five numbers will stay the same as you set them.

#### 4.7.8 Menu items

무전기 기능에서는 다음과 같은 메뉴로 구성됩니다.

Item
TALK MODE
CHANNEL
ID
PTT/VOX
VOX LEVEL
EMERGENCY
MIC GAIN
RF POWER
CLONE SET
DEFAULT SET
VERSION



The following information describes each item's purpose and how to set it up.

## 4.8 Menu setup in detail

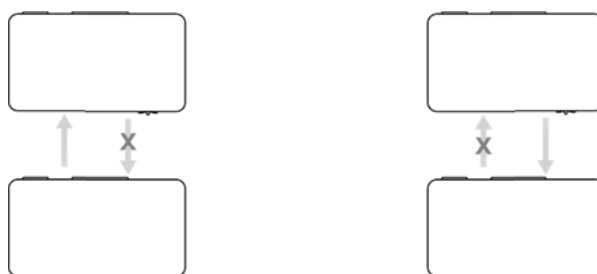
### 4.8.1 TALK MODE

- What is a 'TALK MODE'?

For communication, select TALK MODE before use, terminals that want to talk to each other must be set to the same TALK MODE. There are features in 'TALK MODE': half-duplex, full-duplex full. The following information describes the different features.

('Full-duplex' is set as the default.)

#### ① Half-duplex



Not available for simultaneous 'transmit' & 'receive' functions.

Talking and listening available by taking turns.

It works in the same way as other typical radios.

Only one product in the group is allowed to talk at the same time.

#### ② Full-duplex






Available for simultaneous 'transmit' & 'receive' functions.

Able to listen while talking.



Two products in the group are allowed to talk at the same time.

### 4.8.2 'TALK MODE' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.

Move to 'TALK MODE' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.




**TALK MODE**  
**full-duplex**

If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'Tx TYPE' has been changed, complete it by pushing the  'Menu' button.

**TALK MODE**  
**half-duplex**

**TALK MODE**  
**full-duplex**

Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 4.8.3 CHANNEL




- What is a 'CHANNEL'?



Use the same 'CHANNEL' to ensure that you talk with only your intended people. Just change the 'CHANNEL' if there is too much noise or you get the line crossed with another group.


('01' is set as the default.)



- 'CHANNEL' setup


Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'CHANNEL' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.

If the first number flashes, adjust it by using the  '-' or  '+' buttons.

Move to the next number by pushing the  'Menu' button.

If the number flashes, adjust it by using the  '-' or  '+' buttons.

Once the last number has been changed, push the  'Menu' button and the number will stop flashing.

Move to another menu by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

#### 4.8.4 ID

- What is a 'ID'?

If the line is mixed up or the 'CHANNEL' is already taken by other people, set the 'ID'. By doing so, communication becomes viable between products whose 'ID' matches each other. The 'ID' function has 1,000 that range from 000 to 999.



('000' is set as the default.)


- 'ID' setup



Enter the menu by pushing the  'Menu' button for more than 2 seconds.


Move to 'ID' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.






If the first number flashes, adjust it by using the  '-' or  '+' buttons.

Move to the next number by pushing the  'Menu' button.

If the number flashes, adjust it by using the  '-' or  '+' buttons.

Once the last number has been changed, push the  'Menu' button and the number will stop flashing.

Move to another menu by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

#### 4.8.5 PTT/VOX

- What is a 'PTT/VOX'?

There are two ways to send voice communication: 'PTT' and 'VOX'.

('PTT' is set as the default.)

- PTT(Push To Talk)

Voice communication can be sent while pushing the PTT button.

- ① Push the 'PTT' button to send a voice.
- ② Talk while holding the 'PTT' button. This is when your voice will be sent.
- ③ Stop holding the 'PTT' button when you want to stop sending your voice.

- VOX(Voice Actuation)

The product will recognize your voice and then send it automatically.

'VOX' sends all of the voices that it recognizes. The process can be stopped by pushing the 'PTT' button for more than 2 seconds. (It means that 'VOX' is turned off.) 'VOX' will turn on again when you push the PTT button (front) for more than 2 seconds and then begin sending again.

When 'VOX' is turned on, it can send a voice message automatically without any extra controls.

- ① Push the 'PTT' button for more than 2 seconds to stop sending and then 'VOX' will be turned off.
- ① When 'VOX' is turned off, it can be turned on by pushing the 'PTT' button for more than 2 seconds.






If 'VOX' is turned on, the battery may be exhausted more quickly.



- PTT/VOX setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.

Move to 'PTT/VOX' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the '-' or '+' buttons.

Once 'PTT/VOX' has been changed, complete it by pushing the 'Menu' button.



Move to another menu item by using the '-' or '+' buttons or go back to the main screen by pushing the 'Menu' button for more than 2 seconds.

#### 4.8.6 VOX LEVEL

- What is a 'VOX LEVEL'?

The 'VOX LEVEL' enables you to control the sensitivity levels of recognized voices when the 'VOX' function is turned on. If the 'VOX LEVEL' goes up, it can even recognize a lower voice and send. If the 'VOX LEVEL' goes down, it is less likely to catch a lower voice and will only recognize louder voices and send. For example, if noise and unintended sounds are caught and sent via 'VOX', then it is necessary to lower the 'VOX LEVEL'. However, if it is quiet, then raise the 'VOX LEVEL' to catch and send quieter sounds, even whispering.

There are nine VOX LEVEL from 1 to 9.

('5' is set as the default.)

- 'VOX LEVEL' setup

Enter the menu by pushing the 'Menu' button for more than 2 seconds.

Move to 'VOX LEVEL' by using the '-' or '+' buttons and then select by pushing the 'Menu' button.






If the value flashes, adjust it by using the '-' or '+' buttons.



'1' is Low sensitivity (When the surroundings are noisy)~'9' is High sensitivity (When the surroundings are quiet)

Once 'VOX LEVEL' has been changed, complete it by pushing the 'Menu' button.

Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 4.8.7 EMERGENCY

- What is an 'EMERGENCY CALL'?

'EMERGENCY CALL' is a function to make a call in an emergency. For example, if you are in an emergency, this function helps you send an emergency call to others on a regular basis, no matter which channel is being used. Those who receive the signal can respond to you through the terminal.

- How to make an 'EMERGENCY CALL'

- Sending an emergency call

- ① A person in an emergency pushes PTT button repeatedly at a fast speed (5 times within one second) to send an emergency call to other products.
- ② The terminal will start to send emergency calls to other terminals. It will be displayed on the LCD as shown below.



- Receive an emergency call

- ③ An alarm and vibration ring occurs on the terminals receiving the call. It is displayed on LCD as shown below.



Emergency call can be received regardless of which TALKMODE, CHANNEL, ID functions are being used.

- Communicating during an 'EMERGENCY CALL'

- ④ To talk with the person in an emergency, push PTT button repeatedly at a fast speed (5 times within one second) while the alarm is activated on the terminal.



During an emergency call, "SOS" will appear in the channel display section of the standby screen.



Multiple people can communicate in an emergency.

- How to communicate in an 'EMERGENCY'

Once EMERGENCY CALL is connected, you can make calls in the same way as usual.

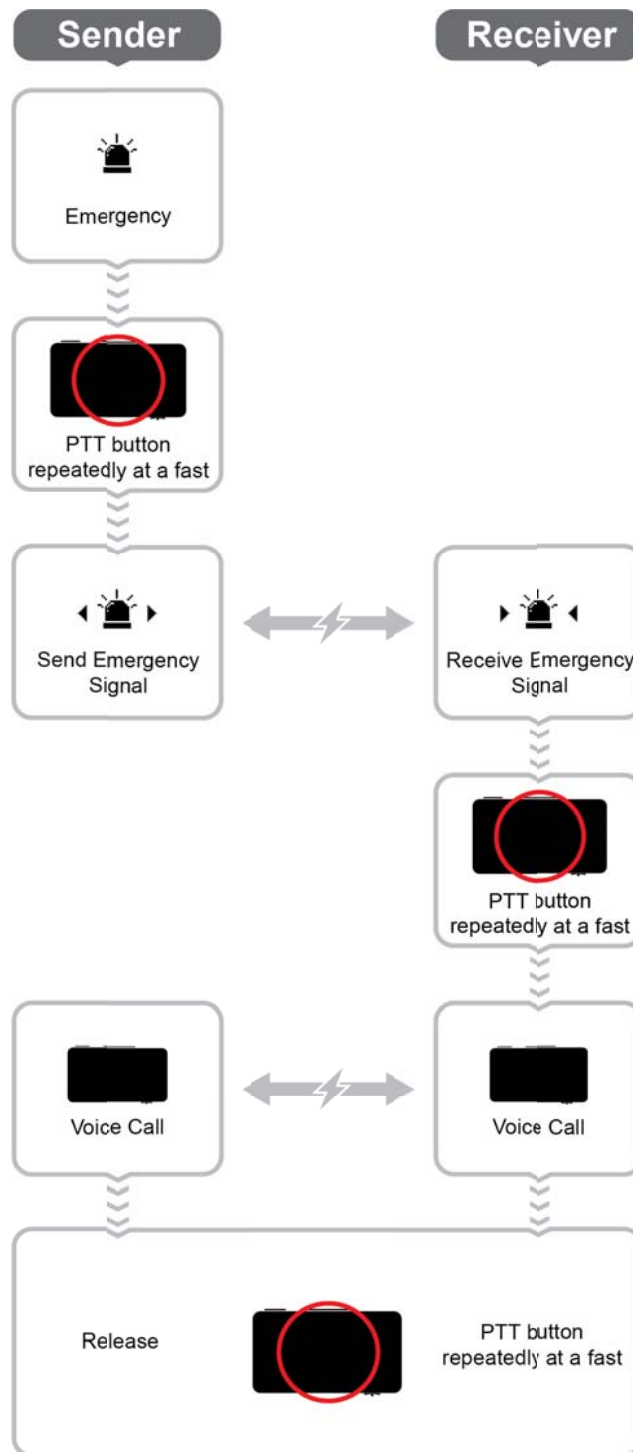
- Release an 'EMERGENCY CALL'

While connected to an emergency call, push PTT button repeatedly at a fast speed (5 times within one second) to release the emergency call. (It is the same process as when you respond to an emergency call.)



Once released from the emergency call, the setup on the terminal will go back to the settings before the emergency call was received.








If you do not want to receive an emergency call from other ID, you can do so by setting the emergency function to off. But, for an emergency call from within your own CHANNEL and ID, you will always receive it no matter if your emergency function is set to on or off.



(‘On’ is set as the default.)


- 'EMERGENCY' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'EMERGENCY' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'EMERGENCY' has been changed, complete it by pushing the  'Menu' button.



Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.



The 'EMERGENCY' function is designed to help somebody who is in trouble. Make sure that you do not play with it or use it carelessly. Otherwise, it could cause unwanted consequences to other people.

#### 4.8.8 MIC GAIN




- What is a 'MIC GAIN'?

The 'MIC GAIN' allows you to adjust the microphone volume. Increasing the 'MIC GAIN' raises the loudness of your voice, while decreasing the 'MIC GAIN' decreases the loudness of your voice during the transmission. There are five settings: very low, low, middle, high and very high.



('Middle' is set as the default.)

- 'MIC GAIN' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'MIC GAIN' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'MIC GAIN' has been changed, complete it by pushing the  'Menu' button.



Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 4.8.9 RF POWER

- What is a 'RF POWER'?

The RF POWER allows you to adjust the strength of the transmission signal. The RF POWER can be set to High and Low. The range and available talk time vary depending on the RF POWER setting, as shown below.




RF POWER		Range	Talk time
high	→	long	short
low	→	short	long

Adjust the setting according to your usage environment and needs.



('High' is set as the default.)

- 'RF POWER' setup

Enter the menu by pushing the  'Menu' button for more than 2 seconds.




Move to 'RF POWER' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.



If the value flashes, adjust it by using the  '-' or  '+' buttons.

Once 'RF POWER' has been changed, complete it by pushing the  'Menu' button.

Move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

### 4.8.10 CLONE SET

- What is a 'CLONE SET'?

Clone Set is a function that automatically synchronizes the required settings for a call between user products without the users' manual setting action.




By utilizing the Clone Set function, multiple products within a range (2~3 m) are synchronized wirelessly to the settings of a single product.

The values transmitted via the Clone Set function include Talk mode, Channel, ID. Products are automatically synchronized to the received settings for call, requiring no setting actions of the users.



(Default value: No)

- 'CLONE SET' setup


Enter the menu by pushing the  'Menu' button for more than 2 seconds.

Move to 'CLONE SET' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.


**CLONE SET**  
no

If the value flashes, adjust it by using the  '-' or  '+' buttons.

**CLONE SET** no      **CLONE SET** yes

Select 'Yes' to send the settings to other products and then push the  'Menu' button. A new screen will pop up to confirm it.


**SEND DATA ?** no      **SEND DATA ?** yes

Again, select 'yes' and then push the  'Menu' button. the settings (Talk mode, Channel, ID) are transmitted to the other products.

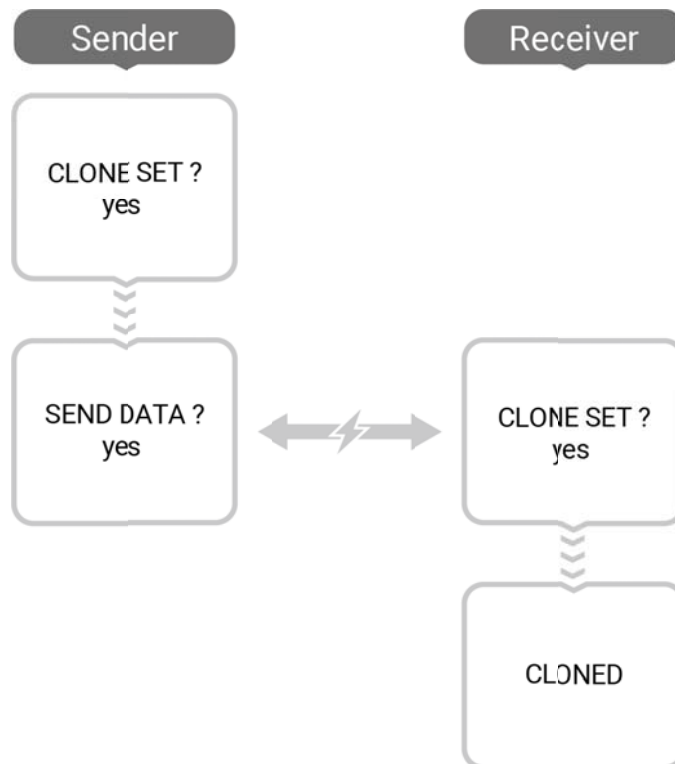
On the product that has received the settings, the following screen will pop up to accept applying the settings.

**CLONE SET ?** no      **CLONE SET ?** yes

Select it by pushing the  'Menu' button.

select 'Yes' and then push the  'Menu' button. the following screen will pop up and synchronizing all of the values to the received settings.

**CLONED**



If the receiver product synchronized already, CLONED message will pop up without confirm screen.




#### 4.8.11 DEFAULT SET

- What is a 'DEFAULT SET'?



All of the values that have been tuned or changed to meet the needs of the user will be returned to their default settings.

- 'DEFAULT SET' setup


Enter the menu by pushing the  'Menu' button for more than 2 seconds.

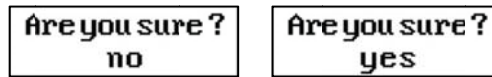
Move to 'DEFAULT SET' by using the  '-' or  '+' buttons and then select by pushing the  'Menu' button.


**DEFAULTSET**  
no

If the value flashes, adjust it by using the  '-' or  '+' buttons.

**DEFAULTSET** no      **DEFAULTSET** yes

First, select 'Yes' to set all of the values back to default and then push the  'Menu' button. A new screen will pop up to confirm it.



Again, select 'Yes' and then push the  'Menu' button. The power will turn off and on again, initializing all of the values to their default settings.



Be careful with this feature. All of the values will return to their default settings.

## 4.8.12 VERSION

- What is a 'VERSION'?




It is used to check the version of your product.

Checking the 'VERSION'

Enter the menu by pushing the  'Menu' button for more than 2 seconds.

Move to 'VERSION' by using the  '-' or  '+' buttons.



Once you check the 'VERSION', move to another menu item by using the  '-' or  '+' buttons or go back to the main screen by pushing the  'Menu' button for more than 2 seconds.

# 5 Other information

## 5.1 Features and copyright

### 5.1.1 Features

- Dimensions (H x W x D): 1.2 x 2.2 x 0.3 inches (31 x 56 x 8.5 mm)
- Weight: 0.63 oz. (18 g)
- Multi-party call: Full-duplex

- Encryption: AES-128

### **5.1.2 Patents, Trademarks or Designs Pending**

This radio has one or more patents, trademarks or designs registered or pending with the United States Patent and Trademark Office or the PCT (Patent Cooperation Treaty) Office.

## **5.2 Checklist before reporting a problem**



## 5.3 Warranty

Warrants against defects in materials and workmanship when used normally for a period of 12 months from the date of the original retail purchase by the end-user.

- Those purchasing this product have to review the warranty and fill in the fields below immediately after purchasing the product.
- Contact the seller or distributor after finding a problem with this product.
- Make sure your claim for any repairs, replacement or refund complies with the warranty guidelines.

Product		Model	
Product No.			
Seller			
Purchase date		Store name	
Warranty period	For a period of 12 months from the date of the original retail purchase.		
Purchaser name		Address	

Warranty guidelines

- Warrants against defects while used normally for up to 12 months as the warranty period.
- The cases below are not covered by the warranty
  1. Damage caused by the use of the consumer.
  2. Defects or flaws caused by natural disasters.
  3. Defects or related problems caused by a misguided voltage or frequency.
  4. Damage caused while tweaking or updating the product by a third party other than a manufacturer's technician.

This warranty does not apply to any damage or technical problems which might occur after the warranty period has expired. If the purchaser still wants to receive service, manufacturer can provide the same level of service, but the purchaser is responsible for any labor costs.